504619621 10/31/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEAN C. O'BRIEN	10/30/2017
MAIK A. LINDNER	10/30/2017
VINCENT G. LUBSEY	10/30/2017
ELOY F. MACHA	10/30/2017
EDUARDO M. ROSA	10/30/2017

RECEIVING PARTY DATA

Name:	VIRTUSTREAM IP HOLDING COMPANY LLC
Street Address:	800 MONTGOMERY LANE
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20814

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15798718

CORRESPONDENCE DATA

Fax Number: (203)255-6570

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Email: car@rml-law.com

Correspondent Name: MICHAEL J. COOPER

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Address Line 4: SOUTHPORT, CONNECTICUT 06890

ATTORNEY DOCKET NUMBER:	EMC-17-0117	
NAME OF SUBMITTER:	MICHAEL J. COOPER	
SIGNATURE:	/Michael J. Cooper/	
DATE SIGNED:	10/31/2017	

Total Attachments: 7

PATENT REEL: 043992 FRAME: 0115

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PATENT REEL: 043992 FRAME: 0116

ASSIGNMENT

WHEREAS, we, Sean C. O'Brien, Maik A. Lindner, Vincent G. Lubsey, Eloy F. Macha, Eduardo M. Rosa, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled A CLOUD RESOURCES PLATFORM INCORPORATING A DYNAMIC OFFERING CATALOG, the specification of which:

[X]

[**]	States Patent Office;
[]	was filed on as U.S. Application No;
[]	was patented under U.S. Patent No on
WHEREAS, Virtustream IP Holding Company LLC (hereinafter "ASSIGNEE"), a	

is being executed on even date berewith and is about to be filed in the United

WHEREAS, Virtustream IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State of Delaware and having a usual place of business at 800 Montgomery Lane, Suite 1100, Bethesda, Maryland 20814 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein:

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including

PATENT REEL: 043992 FRAME: 0117

the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set my hand and affixed my seal as set forth below:

Date: 10 30 3017	Ro
' /	Inventor's Signature
Print full name of sole inventor:	Sean C. O'Brien
Residence:	Atlanta, Georgia
Citizenship:	United States of America
Mailing Address:	1307 Hoffman Lane
C 1.1.1 1 a =	Atlanta, Georgia 30318
1 S. Wilder	_ (name) whose residential address is
4147 archer TR.	Decatur GA 30034
was personally present and did see Sean C who is personally known to me, execute the	. O'Brien (name of person signing the assignment)
MAN	(signature of first witness)
Signed at 6 Concourse PKwy	· · · · ·
on this day 30th October o	
Tina Clark	_ (name) whose residential address is
4356 Scott Crole	East Point GA 30344
was personally present and did see Sean C	. O'Brien (name of person signing the assignment)
who is personally known to me, execute the	e above assignment.
Sura, Clark	(signature of second witness)
Signed at <u>Ho Concourse</u> Pka	(location of witness signature)
	f 20 17 (date of signature)

Date: $10/30/2017$	W
·	Inventor's Signature
Print full name of sole inventor:	Maik A. Lindner
Residence:	Marietta, Georgia
Citizenship:	Germany
Mailing Address:	4685 Scribner Court
3. 1.1	Marietta, Georgia 30062
1 S. Wilder	(name) whose residential address is
	Decatur, GA 30034
	dner (name of person signing the assignment) who
is personally known to me, execute the abov	e assignment.
X///_((signature of first witness)
Signed at 6 Concourse PKNY	(location of witness signature)
on this day 30th October of 2017. (date of signature)	
1 Tina Clark	(name) whose residential address is
4356 Staff Cicke	East Biot GA 30344
	dner (name of person signing the assignment) who
is personally known to me, execute the abov	e assignment.
Jua Clark (signature of second witness)
Signed at 6 Concourse Pki	(location of witness signature)
A 1 1 2 2 2	20 <u>17</u> . (date of signature)

Date: 01tor 30, 2017	Inventor's Signature
	Wivelinty's Signature
Print full name of sole inventor:	Vincent G. Lubsey
Residence:	Davenport, Florida
Citizenship:	United States of America
Mailing Address:	1727 Lake Side Avenue
	Davenport, Florida 33837
1 S. Wilder	(name) whose residential address is
4147 archer TR	De cotur, GA 30034 cent Lubsey (name of person signing the assignment)
was personally present and did see Vinc	cent Lubsey (name of person signing the assignment)
who is personally known to me, execute	e the above assignment.
8/10	(signature of first witness)
Signed at 6 Concourse PK	(location of witness signature)
	of 2017. (date of signature)
- ALK	
I lina Clari	(name) whose residential address is
4356 Scott (ircle Bast Print GA 30344
	cent Lubsey (name of person signing the assignment)
who is personally known to me, execute	e the above assignment.
Vina Clark	(signature of second witness)
Signed at 6 Concourse F	(location of witness signature)
on this day Or Loher 30	of 2017 (date of signature)

Date:	
	Inventor's Signature
Print full name of sole inventor:	Eloy F. Macha
Residence:	Las Cruces, New Mexico
Citizenship:	United States of America
Mailing Address:	5095 Noche Buena Loop
_	Las Cruces, New Mexico 88011
I Sanda Macha	_ (name) whose residential address is
is personally known to me, execute the abo	-
	(signature of first witness)
Signed at Las Crucos, un	(location of witness signature)
on this day October 30 o	
1 Pasto Madia	_ (name) whose residential address is
Is personally known to me, execute the about	(signature of second witness)
Signed at Las Creey NM	(location of witness signature)
on this day	f 20 47. (date of signature)

Date: 10.30.2017	Mose
The state of the s	Inventor's Signature
Print full name of sole inventor:	Eduardo M. Rosa
Residence:	Marietta, Georgia
Citizenship:	United States of America
Mailing Address:	3879 Windrose Lane
	Marietta, Georgia 30062
I aline arthero Rosa	_ (name) whose residential address is
3849 Windrese Lane was personally present and did see Eduard is personally known to me, execute the about	(name) whose residential address is
filteralosa	(signature of first witness)
Signed at Marietta. GA	_(location of witness signature)
on this day October 30 o	f 20 <u>17</u> . (date of signature)
1 Karen Sichter 477 Lakeview Drive Mi	_(name) whose residential address is aricHa GA 50062
was personally present and did see Eduard	o Rosa (name of person signing the assignment) who
is personally known to me, execute the ab-	ove assignment.
faith ((signature of second witness)
Signed at MaricHa	(location of witness signature)
on this day October 30 o	of 20 17. (date of signature)